



# INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

To Commissioner For Patents

Enclosed herewith is a Form PTO-1449, required copies of documents listed thereon, and a concise explanation of their relevance is described below or enclosed herewith per 37 CFR 1.97.

Applicati n Numb r	10/621,003
Filing Date	July 16, 2003
First Named Inventor	Wilhelmus Hendrikus Alfonsus Bruls
Group Art Unit	1104
Examiner Name	
Attorney Docket Number	NL030905

These documents may be relevant in that they have been (check one):

- ☒ considered in drafting the specification of the above referenced application;
- ☒ cited in the specification of the above-referenced application;
- ☐ previously submitted or cited in U.S. patent application(s) which are relied on for an earlier effective filing date under 35 U.S.C. 120 (no copies required);
- ☐ cited as an "X" or "Y" document in a foreign Patent Office search report in a foreign counterpart application, a copy of which report is also enclosed; or
- ☐ otherwise a concise explanation of the relevance of each document, as understood by the individual designated in §1.56(c) most knowledgeable about the contents, is append hereto.

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- ☐ I hereby certify that these documents were first cited in any communication with a foreign Patent Office for a counterpart foreign application not more than three (3) months ago; or
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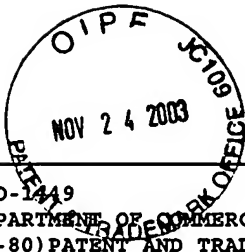
## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print Type)	Russell Gross	Registration No. (Attorney/Agent)	40,007
Signature		Date	11/19/03

## CERTIFICATE OF MAILING OR TRANSMISSION

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Name (Print Type)	Elissa DeLuccy	Date	Nov. 20, 2003
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE		Atty. Docket No. NL030905		Serial No. 10/621,003										
		Applicant BRULS ET AL		Filing Date July 16, 2003										
Group 1104														
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)														
<b>U.S. PATENT DOCUMENTS</b>														
Ex. Int.		Document Number						Date	Name	Class	Sub-class	Filing Date If Approp.		
	AA	6	1	9	2	1	4	8	2/20/01	LIN	382	166		
	AB	6	3	8	5	2	4	5	5/7/02	DE HAAN ET AL	375	240		
	AC	5	2	1	2	5	4	8	5/18/93	DE HAAN ET AL	358	105		
	AD	5	1	4	8	2	6	9	9/15/92	DE HAAN ET AL	358	105		
	AE	5	0	7	2	2	9	3	10/10/91	DE HAAN ET AL	358	105		
	AF	6	5	6	7	4	6	9	5/20/03	RACKETT	375	240		
<b>FOREIGN PATENT DOCUMENTS</b>														
		Document Number							Date	Country	Class	Sub-class	Trans.	
													Yes	No
	AG													
<b>OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)</b>														
	AH	"IC for Motion-Compensated De-Interlacing, Noise Reduction, and Picture-Rate Conversion, by de Haan, Transactions on Consumer Electronics, Vol. 45, pp 617-624, Aug. 1999												
	AI	"A Single-Chip MPEG2 Encoder for Consumer Video Storage Applications" by Bruls et al, ICCE Digest of Technical Papers, PP 262-263, June 1997												
	AJ	"Television Noise Reduction IC", by de Haan et al, IEEE Transactions on Consumer Electronics, Vol. 44, pp 143-154, Feb. 1998												
	AK	"A Low-Complexity MPEG-2 Bit-Rate Transcoding Algorithm", by Gunnewiek et al, ICCCE Digest of Technical Papers, pp 316-317, June 2000												
	AL	"A Low-Cost Audio/Video Single-Chip MPEG2 Encoder for Consumer Video Storage Applications", by Bruls et al, pp 314-315, IEEE 2000												
	AM	"Efficient Video Coding Integrating MPEG-2 and Picture-Rate Conversion", by de Bruijn, IEEE Transactions on Consumer Electronics, Vol. 48, No. 3, pp 688-693, August 2002												
	AN	"An Innovative, High Quality and Search Window Independent Motion Estimation Algorithm and Architecture for MPEG-2 Encoding", by Rovati et al, IEEE Transactions on Consumer Electronics, Vo. 46, No. 3, pp 697-705, August 2000												
Examiner									Date Considered					
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